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NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	MAR 31	IFICDB, IFIPAT, and IFIUDB enhanced with new custom IPC display formats
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NEWS 4	MAR 31	CA/CAplus and CASREACT patent number format for U.S. applications updated
NEWS 5	MAR 31	LPCI now available as a replacement to LDPCI
NEWS 6	MAR 31	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 7	APR 04	STN AnaVist, Version 1, to be discontinued
NEWS 8	APR 15	WPIDS, WPINDEX, and WPIX enhanced with new predefined hit display formats
NEWS 9	APR 28	EMBASE Controlled Term thesaurus enhanced
NEWS 10	APR 28	IMSRESEARCH reloaded with enhancements
NEWS 11	MAY 30	INPAFAMDB now available on STN for patent family searching
NEWS 12	MAY 30	DGENE, PCTGEN, and USGENE enhanced with new homology sequence search option
NEWS 13	JUN 06	EPFULL enhanced with 260,000 English abstracts
NEWS 14	JUN 06	KOREAPAT updated with 41,000 documents
NEWS 15	JUN 13	USPATFULL and USPAT2 updated with 11-character patent numbers for U.S. applications
NEWS 16	JUN 19	CAS REGISTRY includes selected substances from web-based collections
NEWS 17	JUN 25	CA/CAplus and USPAT databases updated with IPC reclassification data
NEWS 18	JUN 30	AEROSPACE enhanced with more than 1 million U.S. patent records
NEWS 19	JUN 30	EMBASE, EMBAL, and LEMBASE updated with additional options to display authors and affiliated organizations
NEWS 20	JUN 30	STN on the Web enhanced with new STN AnaVist Assistant and BLAST plug-in
NEWS 21	JUN 30	STN AnaVist enhanced with database content from EPFULL
NEWS 22	JUL 28	CA/CAplus patent coverage enhanced
NEWS 23	JUL 28	EPFULL enhanced with additional legal status information from the epoline Register
NEWS 24	JUL 28	IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
NEWS 25	JUL 28	STN Viewer performance improved
NEWS 26	AUG 01	INPADOCDB and INPAFAMDB coverage enhanced
NEWS 27	AUG 13	CA/CAplus enhanced with printed Chemical Abstracts page images from 1967-1998
NEWS 28	AUG 15	CAOLD to be discontinued on December 31, 2008

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 NEWS 29  AUG 15  CAplus currency for Korean patents enhanced

 NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
              AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

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COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.21       0.21

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FILE COVERS 1907 - 18 Aug 2008  VOL 149 ISS 8
FILE LAST UPDATED: 17 Aug 2008  (20080817/ED)

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=> s imid? and (enantiom? or stereoisome?) and (separat? or chromatogra? or
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         65791 ENANTIOM?
         35769 STEREOISOME?
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      25109076 PY<=2004
L1          339 IMID? AND (ENANTIOM? OR STEREOISOME?) AND (SEPARAT? OR CHROMATOG
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=> s l1 and polysacch?
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L2            4 L1 AND POLYSACCH?

=> d l2 1-4 ibib abs

L2   ANSWER 1 OF 4  CAPLUS  COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:         2003:882214  CAPLUS
DOCUMENT NUMBER:          141:19841
TITLE:                    Enantiomeric resolution of some human
                          aldosterone synthase [CYP 11 B2] inhibitors on
                          derivatized polysaccharide chiral
                          stationary phases
AUTHOR(S):                Aboul-enein, Hassan Y.; Hefnawy, Mohamed M.; Ehmer,
                          Peter B.; Hartmann, Rolf W.
CORPORATE SOURCE:         Pharmaceutical Analysis Laboratory, Biological and
                          Medical Research Department (MBC-03), King Faisal
                          Specialist Hospital and Research Center, Riyadh, 1211,
                          Saudi Arabia
SOURCE:                   Journal of Separation Science (2003),
                          26(15-16), 1455-1458
                          CODEN: JSSCCJ; ISSN: 1615-9306
PUBLISHER:                Wiley-VCH Verlag GmbH & Co. KGaA
```

DOCUMENT TYPE: Journal
LANGUAGE: English

AB Aldosterone synthase (CYP 11 B2) is a mitochondrial cytochrome P 450 enzyme catalyzing the last steps of aldosterone production in the adrenal cortex. A new pharmacol. approach for the treatment of the aldosterone-induced effects in congestive heart failure and all forms of hyperaldosteronism could be achieved through the use of (CYP 11 B2) inhibitors. The chiral resolution of some of active compds., namely 1-(4-pyridylmethyl)tetralin (I), 7-chloro-1-(1-*imidazolyl*)tetralin (II), and 5-hydroxy-2-(4-pyridylmethyl)indane (III), on various *polysaccharide* derivative chiral *stationary phases*, namely Chiralcel OD, OJ, OC, and Chiralpak AD and AS, in normal phase mode was achieved. The mobile phase used was hexane/2-propanol/triethylamine (9:1:0.1 volume/volume/v). The flow rate of the mobile phase was 0.8 mL/min and the wavelengths of detection of compds. I, II, and III were set at 288, 271, and 254 nm, resp. The *chromatog.* parameters: retention factor (k), selectivity (α), and resolution factor (Rs) were calculated The chiral recognition mechanisms between these analytes and chiral selectors are discussed.

REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:202937 CAPLUS
DOCUMENT NUMBER: 138:239688
TITLE: *Enantiomers* of 6-[(4-chlorophenyl)-hydroxy-(3-methyl-3H-*imidazol*-4-yl)-methyl]-4-[3-(3-hydroxy-3-methylbut-1-ynyl)-phenyl]-1-methyl-1H-quinolin-2-one and salts thereof, useful in the treatment of cancer
INVENTOR(S): Guinn, Mark R.; Guhan, Subramanian Sam; Ng, Karl K.; Ewing, Marcus Douglas; Tickner, Derek L.; Pouwer, Kees; Meltz, Clifford N.; Li, Bryan
PATENT ASSIGNEE(S): Osi Pharmaceuticals, Inc., USA; Pfizer Products, Inc.
SOURCE: PCT Int. Appl., 34 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003021355	A1	20030313	WO 2002-US27464	20020829 <--
WO 2003021355	A9	20030710		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 20030114487	A1	20030619	US 2002-228657	20020827 <--
US 6740757	B2	20040525		
AU 2002324817	A1	20030318	AU 2002-324817	20020829 <--
US 20040192727	A1	20040930	US 2004-824034	20040414 <--

US 7176315 B2 20070213
PRIORITY APPLN. INFO.: US 2001-315740P P 20010829
US 2002-228657 A3 20020827
WO 2002-US27464 W 20020829

AB This invention relates to the *enantiomers* of 6-[(4-chlorophenyl)hydroxy(3-methyl-3H-*imidazol*-4-yl)methyl]-4-[3-(3-hydroxy-3-methylbut-1-ynyl)phenyl]-1-methyl-1H-quinolin-2-one, prodrugs thereof, and pharmaceutically acceptable salts and solvates of said compds. and said prodrugs, that are useful in the treatment of hyperproliferative diseases, such as cancers, in mammals. The invention also relates to processes for the large-scale production of *enantiomerically* pure or optically enriched (+)- or (-)-6-[(4-chlorophenyl)hydroxy(3-methyl-3H-*imidazol*-4-yl)methyl]-4-[3-(3-hydroxy-3-methylbut-1-ynyl)phenyl]-1-methyl-1H-quinolin-2-one *enantiomers* from a mixture containing two *enantiomers* using continuous *chromatog.* with a liquid mobile phase containing ≥1 polar solvent and a solid chiral *stationary phase* based on a derivatized amylosic or cellulosic *polysaccharide*. The invention further relates to the L-(+)-tartaric acid or (S)-(-)-1,1'-binaphthyl-2,2'-diyl hydrogen phosphate salts of (+)-6-[(4-chlorophenyl)hydroxy(3-methyl-3H-*imidazol*-4-yl)methyl]-4-[3-(3-hydroxy-3-methylbut-1-ynyl)phenyl]-1-methyl-1H-quinolin-2-one and their manufacture

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2001:922353 CAPLUS
DOCUMENT NUMBER: 136:330683
TITLE: Analytical and semipreparative *enantiomeric separation* of azole antifungal agents by high-performance liquid *chromatography* on *polysaccharide*-based chiral *stationary phases*. Application to in vitro biological studies
AUTHOR(S): Cirilli, R.; Costi, R.; Di Santo, R.; Ferretti, R.; La Torre, F.; Angiolella, L.; Micocci, M.
CORPORATE SOURCE: Laboratorio di Chimica del Farmaco, Istituto Superiore di Sanita, Rome, 00161, Italy
SOURCE: Journal of Chromatography, A (*2002*), 942(1-2), 107-114
CODEN: JCRAEY; ISSN: 0021-9673
PUBLISHER: Elsevier Science B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English

AB High-performance liquid *chromatog.* (HPLC) was used for the *enantiomeric separation* of chiral *imidazole* derivs. endowed with antimycotic activity. Enantioselective columns, containing carbamates of cellulose and amylose, were used. The influence of the nature and content of an alc. modifier in the mobile phase was studied. The isolated *enantiomers*, *separated* on semipreparative columns, were submitted to in vitro biol. investigations.

REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1998:137943 CAPLUS
DOCUMENT NUMBER: 128:217606
ORIGINAL REFERENCE NO.: 128:43115a,43118a

TITLE: *Separation* of (R)- and (S)-tert-butyl 2-tert-butyl-4-methoxy-2,5-dihydro-1,3-*imidazole*-1-carboxylate (building block for amino acid synthesis) by preparative high performance liquid *chromatography* on a *polysaccharide stationary phase*

AUTHOR(S): Hoffmann, Matthias; Blank, Stefan; Seebach, Dieter; Kusters, Ernst; Schmid, Emil

CORPORATE SOURCE: Laboratorium fur Organische Chemie der Eidgenossischen Technischen Hochschule, ETH-Zentrum, Zurich, CH-8092, Switz.

SOURCE: Chirality (*1998*), 10(3), 217-222
CODEN: CHRLEP; ISSN: 0899-0042

PUBLISHER: Wiley-Liss, Inc.

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The preparative *separation* of the *enantiomers* of the title compound, a versatile chiral building block for the synthesis of unnatural amino acid esters, by high performance liquid *chromatog.* on a chiral *stationary phase* (CSP), is reported for the first time. The CSP consists of amylose-(3,5-dimethylphenyl-carbamate), which has been coated onto the surface of macroporous aminopropyl-functionalized silica gel. The effect of mobile phase composition and the amount of amylose derivative on the silica gel has been thoroughly investigated. Using 2-propanol as organic modifier in hexane as mobile phase, on a semi-preparative column (200 mm + 40 mm ID, containing 192 g of *stationary phase*) about 200 mg of the racemate was *separated* per injection. Running the equipment under automatic conditions with repetitive injection mode allowed for the *separation* of 30 g per day. Both *enantiomers* were obtained with enantiopurities >99.75:0.25.

REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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=> d his

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     FILE 'CAPLUS' ENTERED AT 13:44:30 ON 18 AUG 2008
L1          339 S IMID? AND (ENANTIOM? OR STEREOISOME?) AND (SEPARAT? OR CHROMA
L2            4 S L1 AND POLYSACCH?

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COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                    31.68      31.89

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                    -3.20      -3.20

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                                                 ENTRY    SESSION
FULL ESTIMATED COST                              31.68      31.89

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
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CA SUBSCRIBER PRICE                              -3.20      -3.20

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COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
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FULL ESTIMATED COST                              32.16      32.37

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                                                 ENTRY    SESSION
CA SUBSCRIBER PRICE                              -3.20      -3.20

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DICTIONARY FILE UPDATES:  17 AUG 2008  HIGHEST RN 1041629-70-2

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=> e benzoyl isocyanate/cn
E1            1     BENZOYL ISOBUTYRYL ANHYDRIDE/CN
E2            1     BENZOYL ISOBUTYRYL PEROXIDE/CN
E3            1 --> BENZOYL ISOCYANATE/CN
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E4            1     BENZOYL ISOCYANATE, 2,3,6-TRICHLORO-/CN
E5            1     BENZOYL ISOCYANATE, 2,3-BIS(ACETYLOXY)-/CN
E6            1     BENZOYL ISOCYANATE, 2,4,6-TRIFLUORO-/CN
E7            1     BENZOYL ISOCYANATE, 2,4-DICHLORO-/CN
E8            1     BENZOYL ISOCYANATE, 2,4-DINITRO-/CN
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E10           1     BENZOYL ISOCYANATE, 2,5-DIFLUORO-/CN
E11           1     BENZOYL ISOCYANATE, 2,5-DIMETHYL-/CN
E12           1     BENZOYL ISOCYANATE, 2,6-DIBROMO-/CN

=> s e3
L3            1 "BENZOYL ISOCYANATE"/CN

=> d l3

L3   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2008 ACS on STN
RN   4461-33-0  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   Benzoyl isocyanate  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Benzoic acid, anhydride with HNCO (6CI, 7CI)
CN   Benzoic acid, anhydride with isocyanic acid (8CI)
OTHER NAMES:
CN   Isocyanic acid, anhydride with benzoic acid
CN   NSC 246191
MF   C8 H5 N O2
CI   COM
LC   STN Files:   BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS,
       CHEMINFORMRX, CHEMLIST, CSCHEM, GMELIN*, IFICDB, IFIPAT, IFIUDB, PS,
       SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL, USPATOLD
         (*File contains numerically searchable property data)
     Other Sources:   EINECS**
         (**Enter CHEMLIST File for up-to-date regulatory information)


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            536 REFERENCES IN FILE CA (1907 TO DATE)
              8 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
            537 REFERENCES IN FILE CAPLUS (1907 TO DATE)
             10 REFERENCES IN FILE CAOLD (PRIOR TO 1967)


=> b caplus
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                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -3.20

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FILE COVERS 1907 - 18 Aug 2008 VOL 149 ISS 8
FILE LAST UPDATED: 17 Aug 2008 (20080817/ED)

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L4 537 L3

=> s l4 and (enantiom? or stereoisome?) and (separat? or chromatogra? or
(stationary (a) phase))
65791 ENANTIOM?
35769 STEREOISOME?
436894 SEPARAT?
315325 SEP
12749 SEPS
326831 SEP
(SEP OR SEPS)
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489452 SEPD
(SEPD OR SEPDS)
113149 SEPG
627099 SEPN
40514 SEPNS
647613 SEPN
(SEPN OR SEPNS)
1594181 SEPARAT?
(SEPARAT? OR SEP OR SEPD OR SEPG OR SEPN)
448286 CHROMATOGRA?
672421 CHROMATOG
3652 CHROMATOGS
675075 CHROMATOG
(CHROMATOG OR CHROMATOGS)
831134 CHROMATOGRA?
(CHROMATOGRA? OR CHROMATOG)
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19 STATIONARIES
120335 STATIONARY

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      2064117 PHASE
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L6          1 L4 AND POLYSACCHARIDE AND PY<=2004

=> d l6 ibib

L6   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:         2004:927146  CAPLUS
DOCUMENT NUMBER:          141:395757
TITLE:                    Preparation of polysaccharide carbamates as
                          resolving agents for separating optical isomers by
                          liquid chromatography
INVENTOR(S):              Okamoto, Yoshio; Yamamoto, Chiyo
PATENT ASSIGNEE(S):       Daicel Chemical Industries, Ltd., Japan
SOURCE:                   PCT Int. Appl., 19 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.            KIND   DATE        APPLICATION NO.          DATE
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     WO 2004094342          A2    20041104    WO 2004-JP5760           20040422 <--
     WO 2004094342          A3    20050303
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             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
             TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
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             TD, TG
     EP 1618949             A2    20060125    EP 2004-728920           20040422
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     CN 1758958             A     20060412    CN 2004-80006201         20040422
     KR 2007066816          A     20070627    KR 2005-713457           20050721
     IN 2005DN04495         A     20070824    IN 2005-DN4495           20051004
     US 20070039890         A1    20070222    US 2005-552939           20051017
PRIORITY APPLN. INFO.:                         JP 2003-119710      A    20030424
                                               WO 2004-JP5760      W    20040422
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=> d 15 1-2 ibib bas
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IND --------- Indexing data
IPC --------- International Patent Classifications
MAX --------- ALL, plus Patent FAM, RE
PATS -------- PI, SO
SAM --------- CC, SX, TI, ST, IT
SCAN -------- CC, SX, TI, ST, IT (random display, no answer numbers;
              SCAN must be entered on the same line as the DISPLAY,
              e.g., D SCAN or DISPLAY SCAN)
STD --------- BIB, CLASS

IABS -------- ABS, indented with text labels
IALL -------- ALL, indented with text labels
IBIB -------- BIB, indented with text labels
IMAX -------- MAX, indented with text labels
ISTD -------- STD, indented with text labels

OBIB -------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels

SBIB -------- BIB, no citations
SIBIB ------- IBIB, no citations

HIT --------- Fields containing hit terms
HITIND ------ IC, ICA, ICI, NCL, CC and index field (ST and IT)
              containing hit terms
HITRN ------- HIT RN and its text modification
HITSTR ------ HIT RN, its text modification, its CA index name, and
              its structure diagram
HITSEQ ------ HIT RN, its text modification, its CA index name, its
              structure diagram, plus NTE and SEQ fields
FHITSTR ----- First HIT RN, its text modification, its CA index name, and
              its structure diagram
FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
              structure diagram, plus NTE and SEQ fields
KWIC -------- Hit term plus 20 words on either side
OCC --------- Number of occurrence of hit term and field in which it occurs

To display a particular field or fields, enter the display field
codes.  For a list of the display field codes, enter HELP DFIELDS at
an arrow prompt (=>).  Examples of formats include: TI; TI,AU; BIB,ST;
TI,IND; TI,SO.  You may specify the format fields in any order and the
information will be displayed in the same order as the format
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specification.

All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR, FHITSTR, HITSEQ, FHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC to view a specified Accession Number.
ENTER DISPLAY FORMAT (BIB):end

=> d 15 1-2 ibib abs

L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:927146 CAPLUS
DOCUMENT NUMBER: 141:395757
TITLE: Preparation of polysaccharide carbamates as resolving agents for *separating* optical isomers by liquid *chromatography*
INVENTOR(S): Okamoto, Yoshio; Yamamoto, Chiyo
PATENT ASSIGNEE(S): Daicel Chemical Industries, Ltd., Japan
SOURCE: PCT Int. Appl., 19 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004094342	A2	20041104	WO 2004-JP5760	20040422
WO 2004094342	A3	20050303		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1618949	A2	20060125	EP 2004-728920	20040422
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
CN 1758958	A	20060412	CN 2004-80006201	20040422
KR 2007066816	A	20070627	KR 2005-713457	20050721
IN 2005DN04495	A	20070824	IN 2005-DN4495	20051004
US 20070039890	A1	20070222	US 2005-552939	20051017
PRIORITY APPLN. INFO.:			JP 2003-119710 A	20030424
			WO 2004-JP5760 W	20040422

AB Agents for *separating* optical isomers, which comprises, as the effective component thereof, a polysaccharide derivative wherein at least a part of hydrogen atoms of the hydroxyl groups of the polysaccharide is substituted with at least one of the groups represented by the general formulas CONHCOR and COCOR (wherein R represents a substituted or unsubstituted aromatic group or an aliphatic group of a linear chain, a branched chain or a ring form), are prepared The agents for *separating* optical isomers exhibit improved *separating* performance. Thus, cellulose and 4-methylbenzoyl isocyanate were stirred in pyridine with heating to give cellulose tris(4-methylbenzoylcarbamate) (I) which (0.225 g) was dissolved

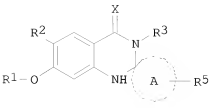
in THF and added to 3-aminopropylated silica gel (0.9 g), followed by evaporation of the solvent under reduced pressure to give I-supported on silica gel as a packing material. This packing material was packed in a stainless steel column (0.2 cm diameter X 25 cm length) by a slurry method to give a liquid *chromatog.* column for *separation* of optical isomers. *Enantiomers* of (RS)-benzoin were *separated* by liquid *chromatog.* using the column obtained above, with a *separation* coefficient (α) of 1.13.

L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:220329 CAPLUS
DOCUMENT NUMBER: 140:270870
TITLE: Preparation of quinazolinone derivatives as inosine 5'-monophosphate dehydrogenase inhibitors with therapeutic uses
INVENTOR(S): Haughan, Alan Findlay; Buckley, George Martin; Davies, Natasha; Dyke, Hazel Joan; Hannah, Duncan Robert; Morgan, Trevor; Richard, Marianna Dilani; Sharpe, Andrew; Williams, Sophie Caroline
PATENT ASSIGNEE(S): Celltech R & D Limited, UK
SOURCE: PCT Int. Appl., 102 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004022554	A1	20040318	WO 2003-GB3878	20030905
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003263323	A1	20040329	AU 2003-263323	20030905
PRIORITY APPLN. INFO.:			GB 2002-20813	A 20020907
			GB 2002-29186	A 20021214
			GB 2003-12775	A 20030604
			WO 2003-GB3878	W 20030905

OTHER SOURCE(S): MARPAT 140:270870
GI



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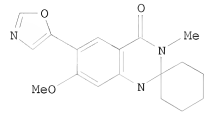

II

AB Quinazolinones and quinazolinethiones (shown as I; variables defined below; e.g. II) and the salts, solvates, hydrates, tautomers, isomers or N-oxides thereof are claimed. Compds. I are potent inhibitors of IMP dehydrogenase (IMPDH); each of the 118 examples inhibit IMPDH with IC50 ≤5 μM. For I: X is O or S; R1 is an aliphatic, cycloaliph. or cycloalkyl-alkyl-; R2 is an (un)substituted heteroarom. group or a -CN group; R3 is -(Alk1)mL1(Alk2)nR4 (m and n are each 0 or 1; Alk1 and Alk2 are each an (un)substituted aliphatic or heteroaliph. chain; L1 is a covalent bond or a linker atom or group; and R4 is H or an (un)substituted cycloaliph., heterocycloaliph., aromatic or heteroarom. group). A is an (un)substituted cycloaliph. or heterocycloaliph. group optionally fused to an (un)substituted aryl or heteroaryl group; R5, which may be attached to any available C or N atom present in the cycloaliph. or heterocycloaliph., or where fused, aryl or heteroaryl group, is a group -(Alk3)tL2(Alk4)vR6 (t and v are each 0 or 1; Alk3 and Alk4 are each an (un)substituted aliphatic or heteroaliph. chain; L2 is a covalent bond or a linker atom or group; and R6 is a H or halogen atom or a -CN group or an (un)substituted cycloaliph., heterocycloaliph., aromatic or heteroarom. group). Although the methods of preparation are not claimed, 118 example prepns. are included. For example, II was prepared in 60 % yield from 2-amino-4-methoxy-N-methyl-5-(oxazol-5-yl)benzamide, MgSO4 and PTSA in CH2Cl2 to which cyclohexanone was added.

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 13:43:51 ON 18 AUG 2008)

FILE 'CAPLUS' ENTERED AT 13:44:30 ON 18 AUG 2008
L1 339 S IMID? AND (ENANTIOM? OR STEREOISOME?) AND (SEPARAT? OR CHROMA
L2 4 S L1 AND POLYSACCH?

FILE 'REGISTRY' ENTERED AT 14:03:09 ON 18 AUG 2008
E BENZOYL ISOCYANATE/CN
L3 1 S E3

FILE 'CAPLUS' ENTERED AT 14:03:54 ON 18 AUG 2008
L4 537 S L3

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L5             2 S L4 AND (ENANTIOM? OR STEREOISOME?) AND (SEPARAT? OR CHROMATOG
L6             1 S L4 AND POLYSACCHARIDE AND PY<=2004

=> logoff hold
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                        25.43      65.41

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
                                                           ENTRY    SESSION
CA SUBSCRIBER PRICE                                        -1.60      -4.80

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PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
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FILE 'CAPLUS' ENTERED AT 15:26:21 ON 18 AUG 2008
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COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                        25.43      65.41

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
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CA SUBSCRIBER PRICE                                        -1.60      -4.80

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L2             4 S L1 AND POLYSACCH?

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                 E BENZOYL ISOCYANATE/CN
L3             1 S E3

     FILE 'CAPLUS' ENTERED AT 14:03:54 ON 18 AUG 2008
L4           537 S L3
L5             2 S L4 AND (ENANTIOM? OR STEREOISOME?) AND (SEPARAT? OR CHROMATOG
L6             1 S L4 AND POLYSACCHARIDE AND PY<=2004

=> s l4 and (polysacc? or amylo? or cellulo?)
        106231 POLYSACC?
         64318 AMYLO?
        395400 CELLULO?
```

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L7            5 L4 AND (POLYSACC? OR AMYLO? OR CELLULO?)

=> s l7 and py<=2004
      25109076 PY<=2004
L8            3 L7 AND PY<=2004

=> d l8 scan

L8    3 ANSWERS   CAPLUS  COPYRIGHT 2008 ACS on STN
IC    G03C
CC    74-3 (Radiation Chemistry, Photochemistry, and Photographic Processes)
TI    Toners for heat-developable photographic copying papers
ST    copying photothermog aminocarbonylphthalazinone; development photothermog
      copy toner; silver behenate photothermog thermophoto; halide silver
      photothermog copying; behenic acid photothermog copying
IT    Photographic emulsions
         (heat-developable, containing silver behenate, reducing agents, and
         carbamoylphthalazinone toners)
IT    Photothermography
         (heat-sensitive compns. for, containing silver behenate, reducing agents,
         and carbamoylphthalazinone toners)
IT    112-85-6   2489-05-6
      RL: USES (Uses)
         (image receiving sheets containing, for photothermog. copying materials)
IT    119-47-1   123-31-9, uses and miscellaneous
      RL: USES (Uses)
         (photog. developer, for photothermog. copying materials)
IT    41504-42-1   51642-16-1
      RL: TEM (Technical or engineered material use); USES (Uses)
         (photog. sensitizer, for photothermog. copying materials)
IT    119-39-1
      RL: RCT (Reactant); RACT (Reactant or reagent)
         (reaction of, with isocyanates)
IT    103-71-9 4461-33-0
      RL: RCT (Reactant); RACT (Reactant or reagent)
         (reaction of, with phthalazinone)
IT    51642-11-6   51642-12-7   51642-13-8   51642-14-9   51642-15-0
      RL: USES (Uses)
         (toner, for photothermog. copying materials)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L8    3 ANSWERS   CAPLUS  COPYRIGHT 2008 ACS on STN
IC    G03C007-34
CC    74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other
      Reprographic Processes)
TI    Silver halide photographic sensitive material
ST    phenolic cyan photog coupler
IT    Photographic couplers
         (cyan, acylaminophenol derivs. as)
IT    95924-86-0   95924-87-1   95924-88-2   95924-89-3   95924-90-6
      95924-91-7
      RL: TEM (Technical or engineered material use); USES (Uses)
         (cyan photog. coupler)
IT    95924-84-8P
      RL: RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
         (formation and hydrogenation of, in preparation of benzoylureidoaminophenol
         as intermediate in preparation of cyan photog. coupler)
IT    95924-85-9P
```

RL: RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(formation and reaction of, with (butanesulfonylaminophenoxy)chloride in preparation of cyan photog. coupler)

IT 95962-99-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(hydrogenation of, in preparation of intermediate compound for preparation of cyan photog. coupler)

IT 95924-92-8
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with (di-tert-pentylphenoxy)tetradecanoyl chloride in preparation of cyan photog. coupler)

IT *4461-33-0*
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with aminonitrophenol in preparation of benzoylureanitrophenol an intermediate in preparation of cyan photog. coupler)

IT 121-88-0
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with benzoyl isocyanate in preparation of benzoylnitrophenol an intermediate in preparation of cyan photog. coupler)

IT 90661-79-3
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with benzoylureidoaminophenol in preparation of cyan photog. coupler)

IT 4083-64-1
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with chloronitrophenol in preparation of intermediate compound for preparation of cyan photog. coupler)

IT 610-78-6
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with toluenesulfonyl isocyanate in preparation of intermediate compound for preparation of cyan photog. couplers)

IT 84954-12-1
RL: USES (Uses)
(reaction off, in preparation of cyan photog. coupler)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L8 3 ANSWERS CAPLUS COPYRIGHT 2008 ACS on STN
IC ICM C07B
CC 33-5 (Carbohydrates)
TI Preparation of *polysaccharide* carbamates as resolving agents for separating optical isomers by liquid chromatography
ST *polysaccharide* carbamate silica gel supported prepn resolving agent; optical isomer sepn liq chromatog column
IT Resolution (separation)
(chromatog.; preparation of *polysaccharide* carbamates supported on silica gel as resolving agents for separating optical isomers by liquid chromatog.)

IT Liquid chromatographic stationary phases
Resolution (separation)
(preparation of *polysaccharide* carbamates supported on silica gel as resolving agents for separating optical isomers by liquid chromatog.)

IT *Polysaccharides*, preparation
RL: ARG (Analytical reagent use); SPN (Synthetic preparation); ANST (Analytical study); PREP (Preparation); USES (Uses)
(preparation of *polysaccharide* carbamates supported on silica gel as resolving agents for separating optical isomers by liquid chromatog.)

IT 790227-14-4DP, supported on 3-aminopropylated silica gel 790227-14-4P,

Cellulose tris(4-methylbenzoylcarbamate) 790227-16-6DP, supported on 3-aminopropylated silica gel 790227-16-6P, *Cellulose* tris(4-chlorobenzoylcarbamate) 790229-10-6DP, supported on 3-aminopropylated silica gel 790229-10-6P 790229-11-7DP, supported on 3-aminopropylated silica gel 790229-11-7P, *Amylose* tris(benzoylcarbamate) 790229-12-8DP, supported on 3-aminopropylated silica gel 790229-12-8P, *Amylose* tris(4-methylbenzoylcarbamate) 790229-13-9DP, supported on 3-aminopropylated silica gel 790229-13-9P, *Amylose* tris(4-chlorobenzoylcarbamate) 790229-14-0DP, supported on 3-aminopropylated silica gel 790229-14-0P, *Amylose* tris(3,5-dimethylbenzoylcarbamate)
RL: ARG (Analytical reagent use); SPN (Synthetic preparation); ANST (Analytical study); PREP (Preparation); USES (Uses)
(preparation of *polysaccharide* carbamates supported on silica gel as resolving agents for separating optical isomers by liquid chromatog.)

IT 119-53-9, (RS)-Benzoin 487-26-3, 2-Phenyl-3,4-dihydro-2H-benzopyran-4-one 529-81-7 1439-07-2, trans-2,3-Diphenyloxirane 1444-65-1, 2-Phenylcyclohexanone 18026-23-8, 1,2,2,2-Tetraphenylethanol 21679-46-9, Cobalt triacetylacetonate 32750-01-9, 2,2'-Dihydroxy-6,6'-dimethylbiphenyl 65487-67-4, 1-(Anthracen-10-yl)-2,2,2-trifluoroethanol 79455-24-6, trans-Cyclopropane-1,2-bis(phenylcarboxamide)
RL: PEP (Physical, engineering or chemical process); PYP (Physical process); PROC (Process)
(preparation of *polysaccharide* carbamates supported on silica gel as resolving agents for separating optical isomers by liquid chromatog.)

IT 5928-66-5P, (R)-Benzoin 5928-67-6P, (S)-Benzoin 14645-24-0P 17002-31-2P, (S)-2-Phenyl-3,4-dihydro-2H-benzopyran-4-one 21003-63-4P, (R)-1,2,2,2-Tetraphenylethanol 21003-64-5P, (S)-1,2,2,2-Tetraphenylethanol 21451-74-1P 25144-18-7P, (2R,3R)-2,3-Diphenyloxirane 27439-12-9P, (R)-2-Phenyl-3,4-dihydro-2H-benzopyran-4-one 34248-50-5P, Λ-Cobalt tris(acetylacetonate) 34281-93-1P, (R)-2-Phenylcyclohexanone 34281-94-2P, (S)-2-Phenylcyclohexanone 40102-60-1P, (2S,3S)-2,3-Diphenyloxirane 50600-77-6P, Δ-Cobalt tris(acetylacetonate) 53531-34-3P, (R)-1-(Anthracen-10-yl)-2,2,2-trifluoroethanol 60646-30-2P, (S)-1-(Anthracen-10-yl)-2,2,2-trifluoroethanol 100072-59-1P 107724-51-6P 154052-02-5P, (S)-2,2'-Dihydroxy-6,6'-dimethylbiphenyl 189332-09-0P, (R)-2,2'-Dihydroxy-6,6'-dimethylbiphenyl
RL: PUR (Purification or recovery); SPN (Synthetic preparation); PREP (Preparation)
(preparation of *polysaccharide* carbamates supported on silica gel as resolving agents for separating optical isomers by liquid chromatog.)

IT 55-21-0, Benzamide 499-06-9, 3,5-Dimethylbenzoic acid 506-87-6, Ammonium carbonate 619-55-6, p-Toluamide 619-56-7, 4-Chlorobenzamide 919-30-2, 3-Aminopropyltriethoxysilane 9004-34-6, *Cellulose*, reactions 9005-82-7, *Amylose*
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of *polysaccharide* carbamates supported on silica gel as resolving agents for separating optical isomers by liquid chromatog.)

IT *4461-33-0P*, Benzoyl isocyanate 4461-36-3P, 4-Chlorobenzoyl isocyanate 5692-35-3P, 3,5-Dimethylbenzamide 5843-46-9P, 4-Methylbenzoyl isocyanate 6613-44-1P, 3,5-Dimethylbenzoyl chloride 66244-10-8P, 3,5-Dimethylbenzoyl isocyanate
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of *polysaccharide* carbamates supported on silica gel as resolving agents for separating optical isomers by liquid chromatog.)

IT 919-30-2DP, 3-Aminopropyltriethoxysilane, reaction product with silica gel

```
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation of polysaccharide carbamates supported on silica gel
        as resolving agents for separating optical isomers by liquid chromatog.)

ALL ANSWERS HAVE BEEN SCANNED


=> d his

     (FILE 'HOME' ENTERED AT 13:43:51 ON 18 AUG 2008)

     FILE 'CAPLUS' ENTERED AT 13:44:30 ON 18 AUG 2008
L1          339 S IMID? AND (ENANTIOM? OR STEREOISOME?) AND (SEPARAT? OR CHROMA
L2            4 S L1 AND POLYSACCH?

     FILE 'REGISTRY' ENTERED AT 14:03:09 ON 18 AUG 2008
                E BENZOYL ISOCYANATE/CN
L3            1 S E3

     FILE 'CAPLUS' ENTERED AT 14:03:54 ON 18 AUG 2008
L4          537 S L3
L5            2 S L4 AND (ENANTIOM? OR STEREOISOME?) AND (SEPARAT? OR CHROMATOG
L6            1 S L4 AND POLYSACCHARIDE AND PY<=2004
L7            5 S L4 AND (POLYSACC? OR AMYLO? OR CELLULO?)
L8            3 S L7 AND PY<=2004

=> logoff hold
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                    35.83      75.81

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
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CA SUBSCRIBER PRICE                                    -1.60      -4.80

 SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 15:28:56 ON 18 AUG 2008
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